

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

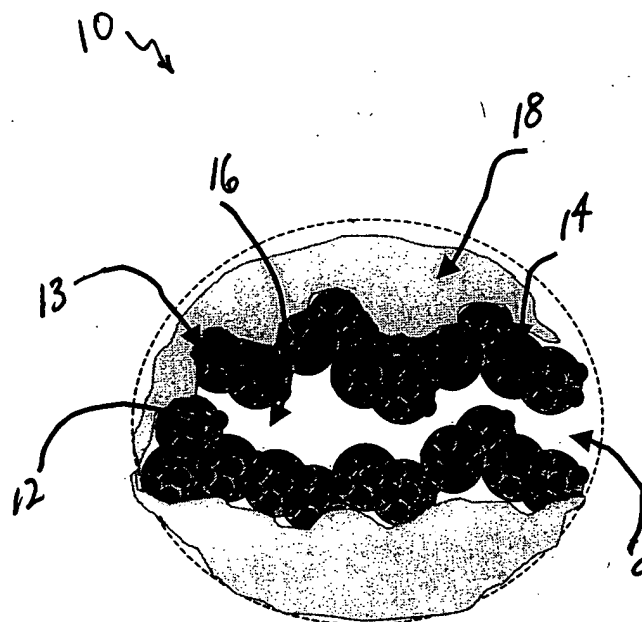


FIG. 1

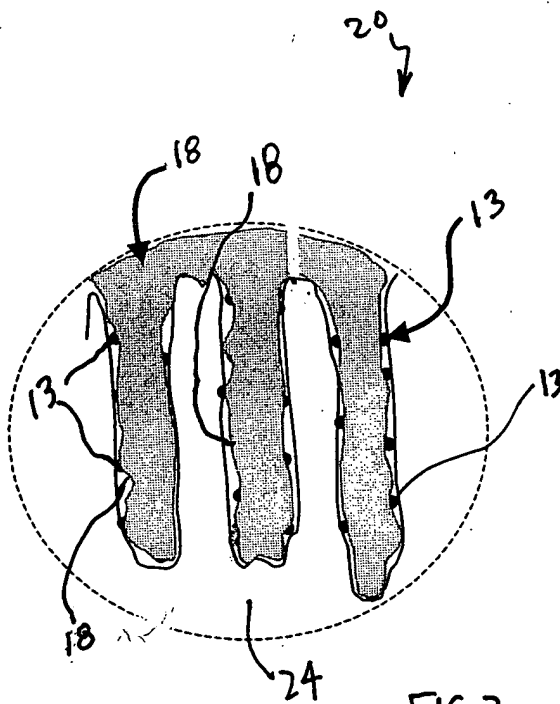
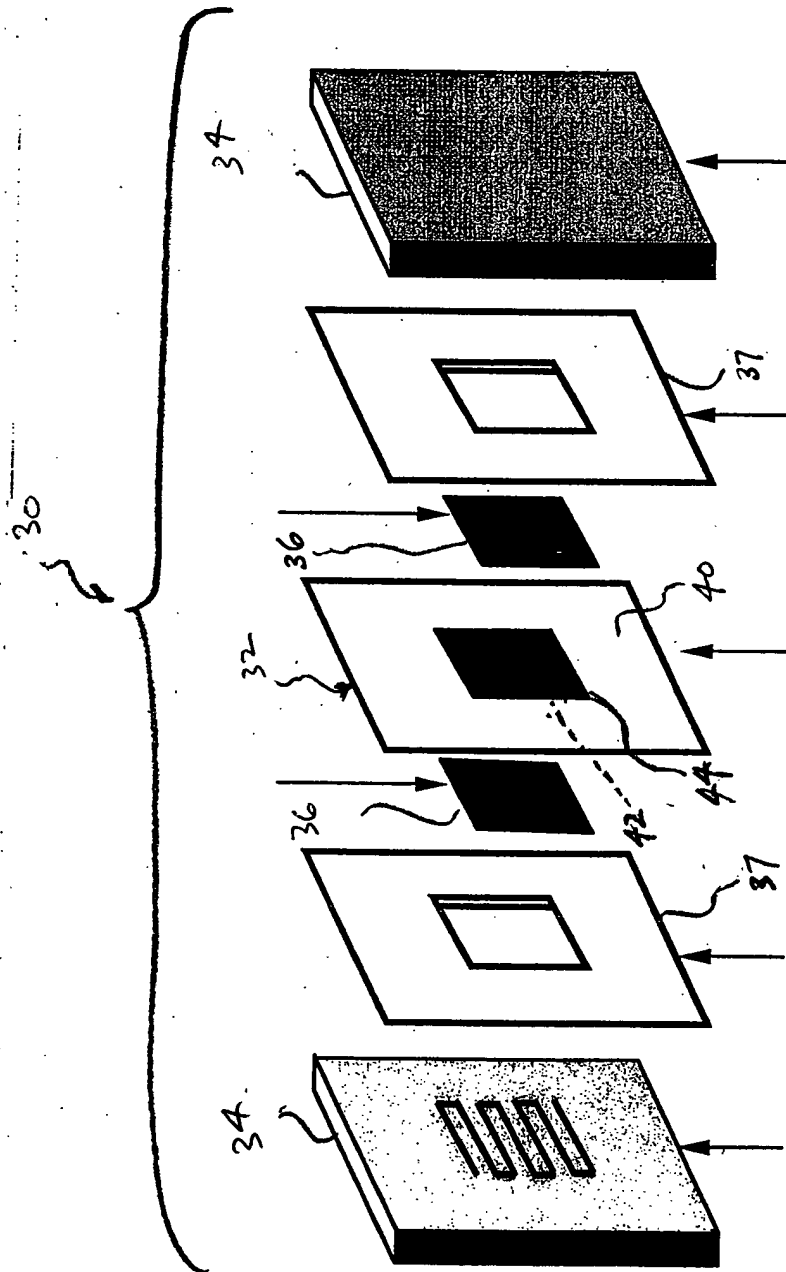


FIG 2



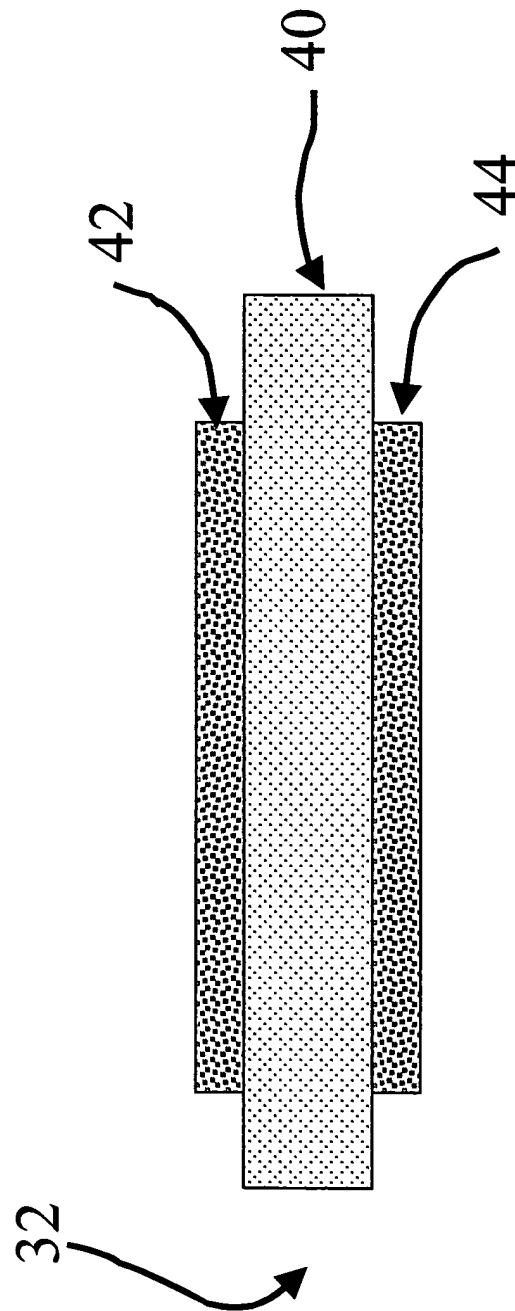


FIG. 4

McCormick, Paulding & Huber LLP

Title: METHOD OF PREPARING MEMBRANE ELECTRODE
ASSEMBLIES WITH AEROGEL-SUPPORTED CATALYST

Applicant: Hiroaki S. Hara, et al.

Serial No.: New Appln.

Attorney Docket Number: 6872-0005

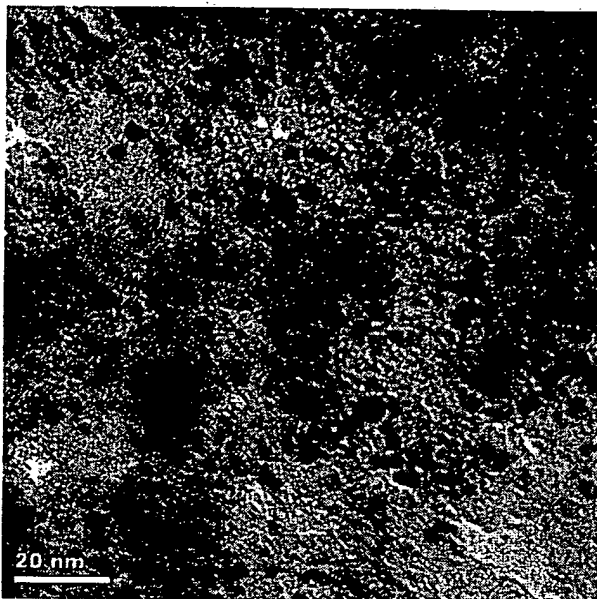


FIG 5

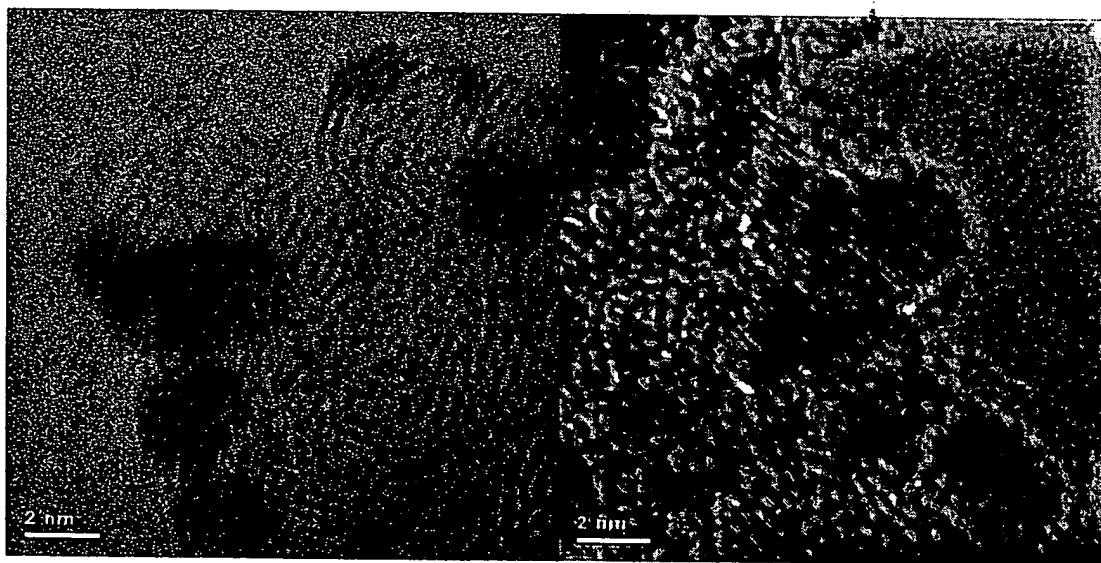
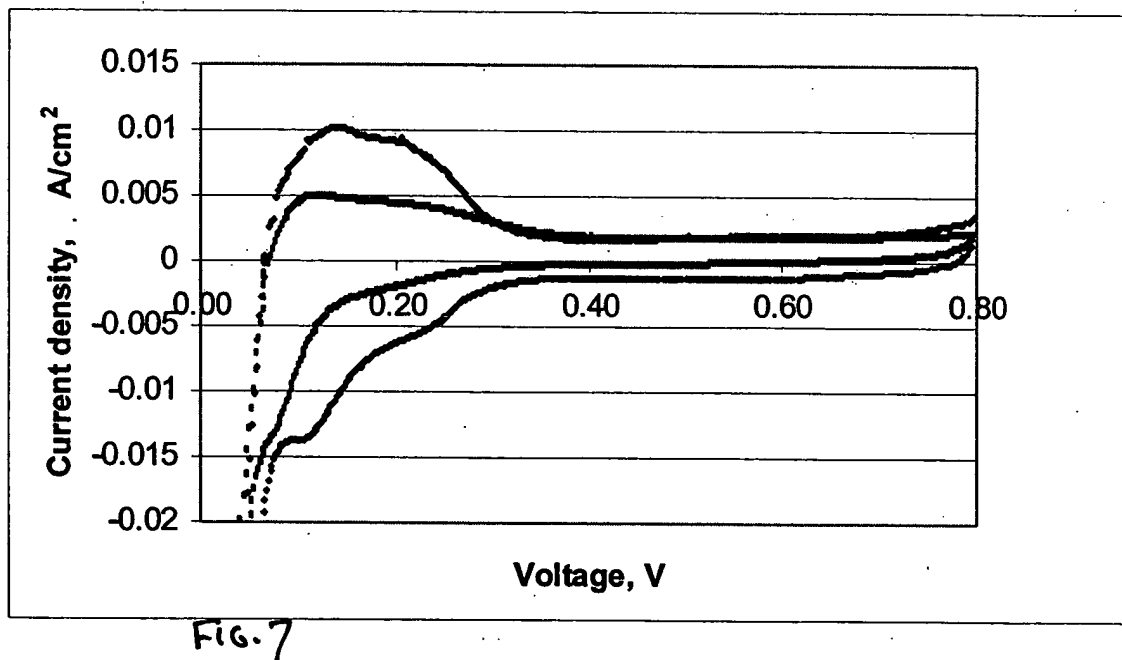
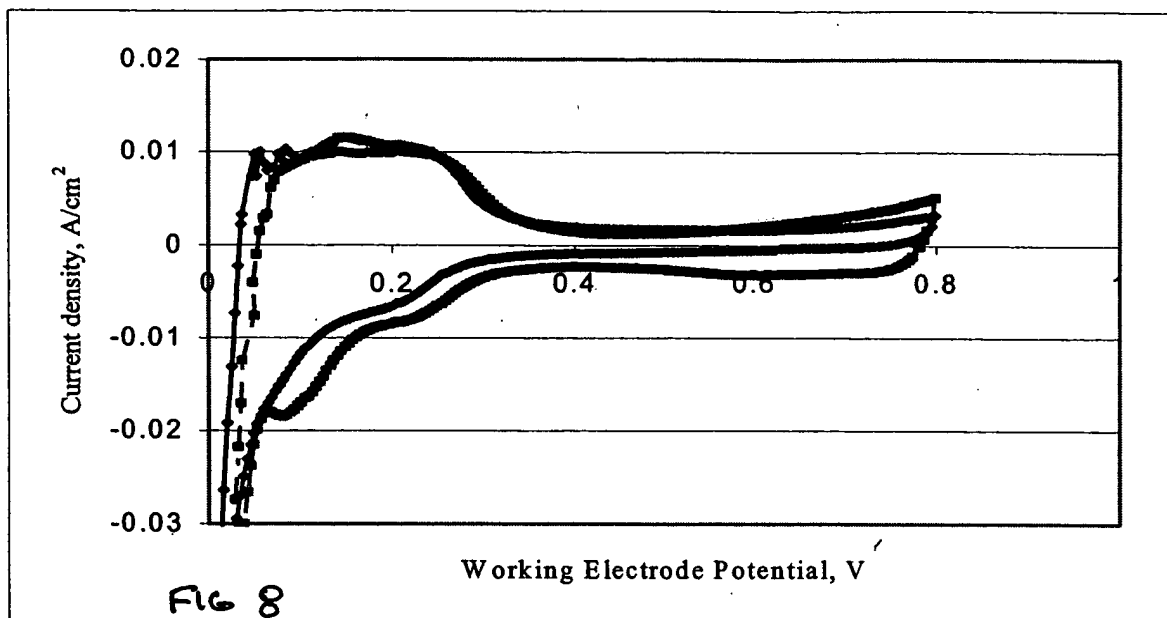
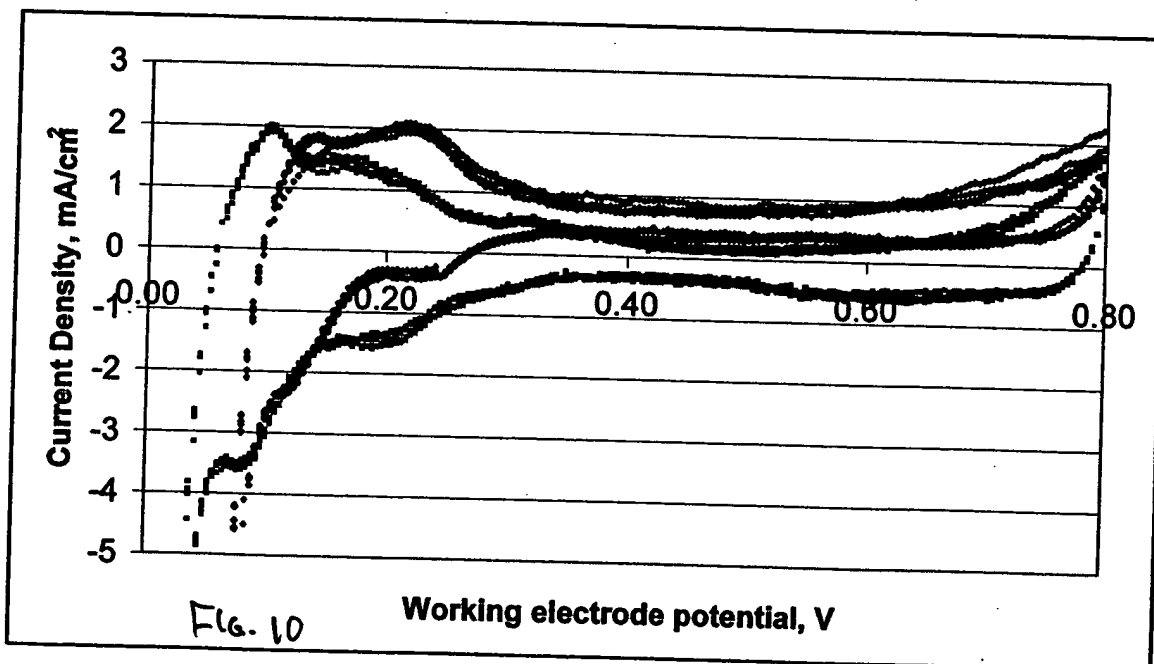
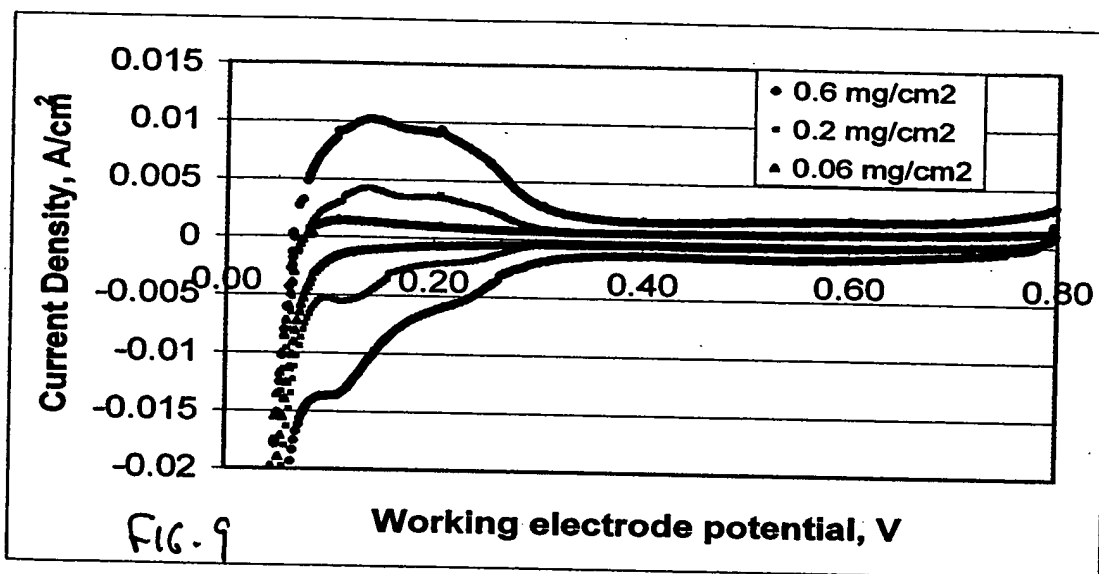


FIG 6





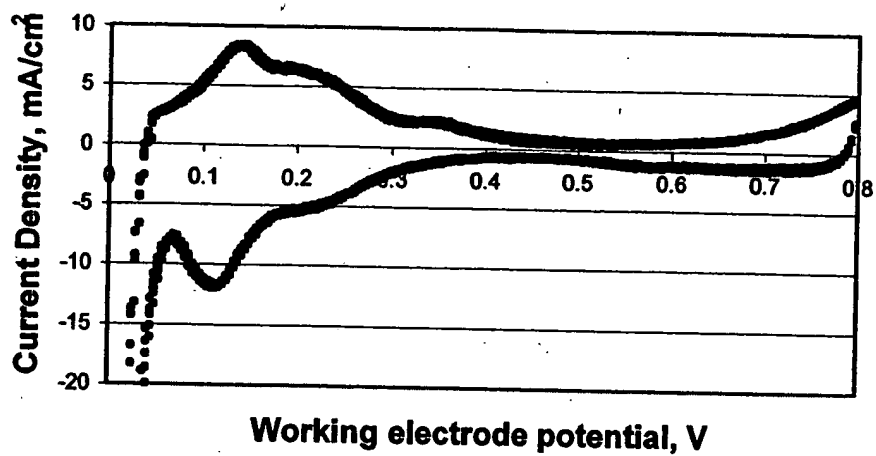


FIG. 11

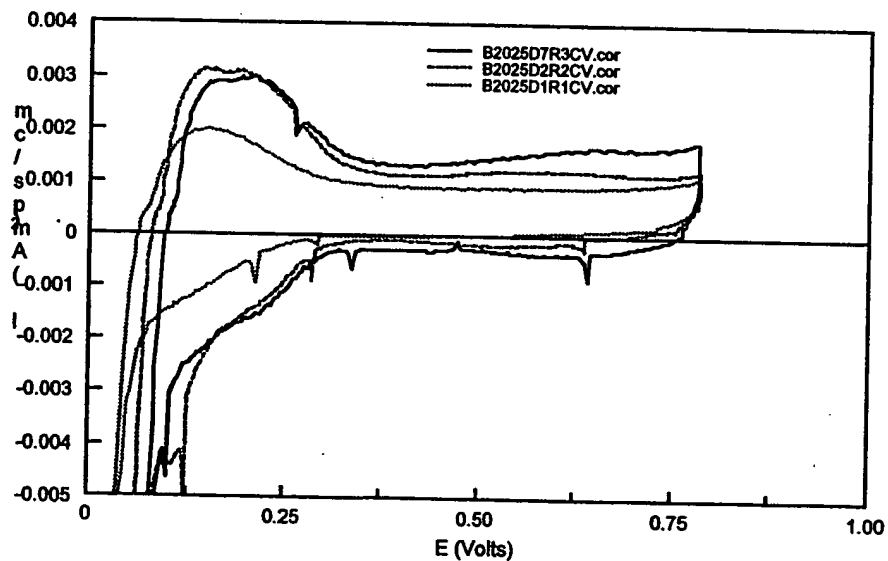


FIG. 12

McCormick, Paulding & Huber LLP
Title: METHOD OF PREPARING MEMBRANE ELECTRODE
ASSEMBLIES WITH AEROGEL SUPPORTED CATALYST

Applicant: Hiroaki S. Hara, et al.

Serial No.: New Appln.

Attorney Docket Number: 6872-0005

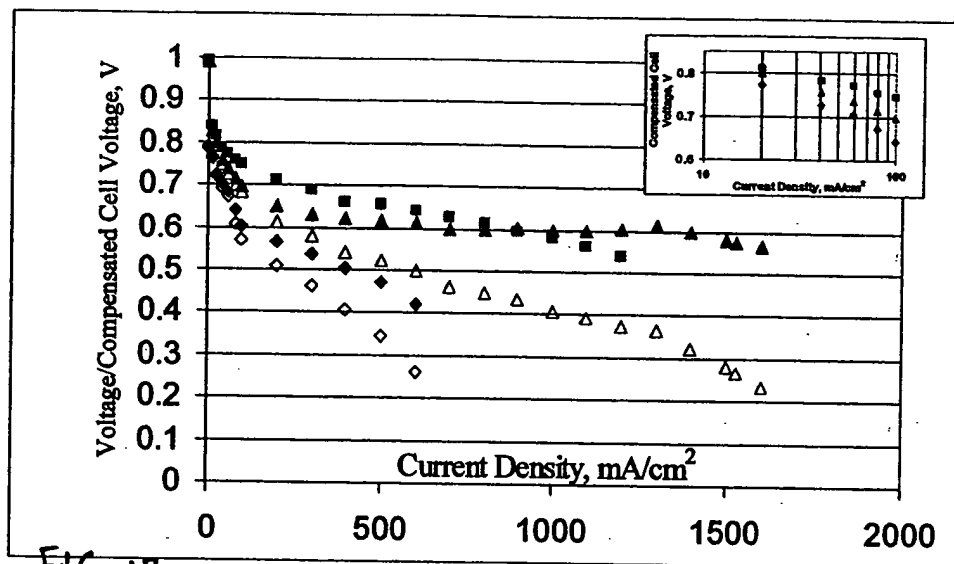


FIG. 13

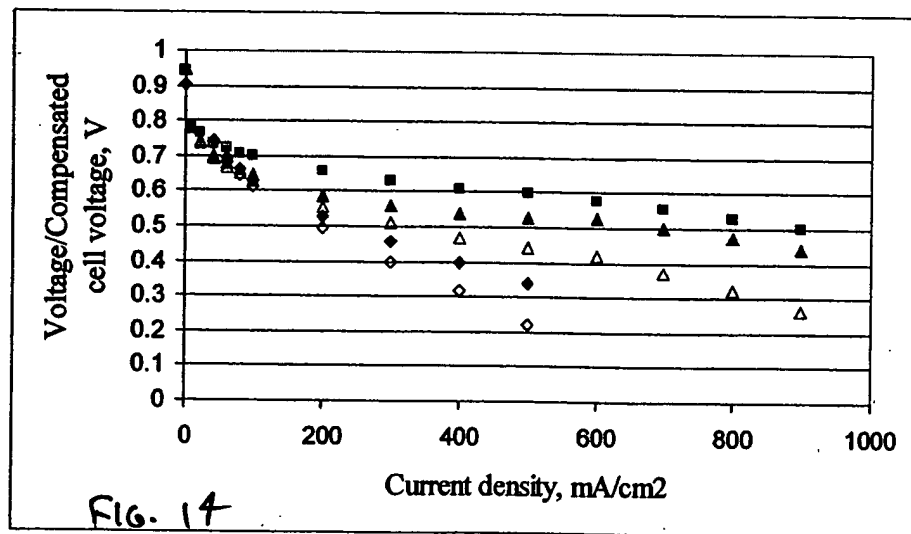


FIG. 14

Figure 10. The cell voltage (open symbols) and compensated cell voltage (closed symbols) vs. current density for three MEAs made with different Pt loadings in air:

Δ - 0.6 mg/cm²; \bullet - 0.2 mg/cm²; \ast - 0.06 mg/cm²

Membrane: Nafion 117. Cell temperature: 80°C. Temperature of humidifiers: 80°C.

